

# WÂ Chris Funk

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5490363/publications.pdf>

Version: 2024-02-01

68  
papers

5,160  
citations

159585

30  
h-index

110387

64  
g-index

77  
all docs

77  
docs citations

77  
times ranked

6643  
citing authors

#	ARTICLE	IF	CITATIONS
1	Harnessing genomics for delineating conservation units. Trends in Ecology and Evolution, 2012, 27, 489-496.	8.7	767
2	Genetic rescue to the rescue. Trends in Ecology and Evolution, 2015, 30, 42-49.	8.7	591
3	What Is Missing in Amphibian Decline Research: Insights from Ecological Sensitivity Analysis. Conservation Biology, 2002, 16, 728-734.	4.7	313
4	Population structure of Columbia spotted frogs ( <i>Rana luteiventris</i> ) is strongly affected by the landscape. Molecular Ecology, 2005, 14, 483-496.	3.9	305
5	Genetic diversity targets and indicators in the CBD post-2020 Global Biodiversity Framework must be improved. Biological Conservation, 2020, 248, 108654.	4.1	285
6	Population genomics for wildlife conservation and management. Molecular Ecology, 2021, 30, 62-82.	3.9	258
7	High levels of cryptic species diversity uncovered in Amazonian frogs. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1806-1814.	2.6	227
8	The crucial role of genome-wide genetic variation in conservation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	196
9	Narrow thermal tolerance and low dispersal drive higher speciation in tropical mountains. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12471-12476.	7.1	161
10	Unbroken: RADseq remains a powerful tool for understanding the genetics of adaptation in natural populations. Molecular Ecology Resources, 2017, 17, 362-365.	4.8	156
11	The Exciting Potential and Remaining Uncertainties of Genetic Rescue. Trends in Ecology and Evolution, 2019, 34, 1070-1079.	8.7	151
12	Adaptive divergence despite strong genetic drift: genomic analysis of the evolutionary mechanisms causing genetic differentiation in the island fox ( <i>Urocyon littoralis</i> ). Molecular Ecology, 2016, 25, 2176-2194.	3.9	114
13	Climate variability predicts thermal limits of aquatic insects across elevation and latitude. Functional Ecology, 2017, 31, 2118-2127.	3.6	104
14	Global Commitments to Conserving and Monitoring Genetic Diversity Are Now Necessary and Feasible. BioScience, 2021, 71, 964-976.	4.9	96
15	Improving conservation policy with genomics: a guide to integrating adaptive potential into U.S. Endangered Species Act decisions for conservation practitioners and geneticists. Conservation Genetics, 2019, 20, 115-134.	1.5	95
16	Genomic and Fitness Consequences of Genetic Rescue in Wild Populations. Current Biology, 2020, 30, 517-522.e5.	3.9	81
17	Global genetic diversity status and trends: towards a suite of Essential Biodiversity Variables (<sc>EBVs</sc>) for genetic composition. Biological Reviews, 2022, 97, 1511-1538.	10.4	73
18	Mitochondrial Genomes Suggest Rapid Evolution of Dwarf California Channel Islands Foxes ( <i>Urocyon</i> ) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	2.5	65

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19	Genetic diversity is considered important but interpreted narrowly in country reports to the Convention on Biological Diversity: Current actions and indicators are insufficient. <i>Biological Conservation</i> , 2021, 261, 109233.	4.1	65
20	Gene flow from an adaptively divergent source causes rescue through genetic and demographic factors in two wild populations of Trinidadian guppies. <i>Evolutionary Applications</i> , 2016, 9, 879-891.	3.1	62
21	Coalescent-based species delimitation is sensitive to geographic sampling and isolation by distance. <i>Systematics and Biodiversity</i> , 2020, 18, 269-280.	1.2	62
22	How spatio-temporal habitat connectivity affects amphibian genetic structure. <i>Frontiers in Genetics</i> , 2015, 6, 275.	2.3	60
23	Thermal Acclimation Ability Varies in Temperate and Tropical Aquatic Insects from Different Elevations. <i>Integrative and Comparative Biology</i> , 2017, 57, 977-987.	2.0	53
24	Ecological Change on California's Channel Islands from the Pleistocene to the Anthropocene. <i>BioScience</i> , 2014, 64, 680-692.	4.9	50
25	Islands within an island: Repeated adaptive divergence in a single population. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 653-665.	2.3	45
26	Urban landscapes can change virus gene flow and evolution in a fragmentation-sensitive carnivore. <i>Molecular Ecology</i> , 2017, 26, 6487-6498.	3.9	40
27	Pathogens in space: Advancing understanding of pathogen dynamics and disease ecology through landscape genetics. <i>Evolutionary Applications</i> , 2018, 11, 1763-1778.	3.1	37
28	Parallelism Isn't Perfect: Could Disease and Flooding Drive a Life-History Anomaly in Trinidadian Guppies?. <i>American Naturalist</i> , 2014, 183, 290-300.	2.1	36
29	Extreme streams: species persistence and genomic change in montane insect populations across a flooding gradient. <i>Ecology Letters</i> , 2018, 21, 525-535.	6.4	35
30	Morphological taxonomy, DNA barcoding, and species diversity in southern Rocky Mountain headwater streams. <i>Freshwater Science</i> , 2014, 33, 288-301.	1.8	32
31	Effects of changing climate on aquatic habitat and connectivity for remnant populations of a wide-ranging frog species in an arid landscape. <i>Ecology and Evolution</i> , 2015, 5, 3979-3994.	1.9	31
32	Equipping the 22nd-Century Historical Ecologist. <i>Trends in Ecology and Evolution</i> , 2017, 32, 578-588.	8.7	30
33	Diversification of the rainfrog <i>Pristimantis ornatissimus</i> in the lowlands and Andean foothills of Ecuador. <i>PLoS ONE</i> , 2017, 12, e0172615.	2.5	29
34	Temperature dependence of metabolic rate in tropical and temperate aquatic insects: Support for the Climate Variability Hypothesis in mayflies but not stoneflies. <i>Global Change Biology</i> , 2021, 27, 297-311.	9.5	26
35	An experimental test of alternative population augmentation scenarios. <i>Conservation Biology</i> , 2018, 32, 838-848.	4.7	24
36	Urbanization reduces genetic connectivity in bobcats ( <i>Lynx rufus</i> ) at both intra- and interpopulation spatial scales. <i>Molecular Ecology</i> , 2019, 28, 5068-5085.	3.9	24

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37	Parasites as conservation tools. <i>Conservation Biology</i> , 2022, 36, .	4.7	24
38	Regional variation in drivers of connectivity for two frog species ( <i>Rana pretiosa</i> and) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf,50 702 Td</i>	3.9	23
39	Urbanization impacts apex predator gene flow but not genetic diversity across an urban-rural divide. <i>Molecular Ecology</i> , 2019, 28, 4926-4940.	3.9	23
40	Freshwater vertebrate and invertebrate diversity patterns in an Andean-Amazon basin: implications for conservation efforts. <i>Neotropical Biodiversity</i> , 2016, 2, 99-114.	0.5	22
41	Advancing Understanding of Amphibian Evolution, Ecology, Behavior, and Conservation with Massively Parallel Sequencing. <i>Population Genomics</i> , 2018, , 211-254.	0.5	22
42	A critical comparison of integral projection and matrix projection models for demographic analysis. <i>Ecological Monographs</i> , 2021, 91, e01447.	5.4	21
43	Host relatedness and landscape connectivity shape pathogen spread in the puma, a large secretive carnivore. <i>Communications Biology</i> , 2021, 4, 12.	4.4	20
44	Phenotypic plasticity in developmental rate is insufficient to offset high tadpole mortality in rapidly drying ponds. <i>Ecosphere</i> , 2016, 7, e01386.	2.2	18
45	Authors' Reply to Letter to the Editor: Continued improvement to genetic diversity indicator for CBD. <i>Conservation Genetics</i> , 2021, 22, 533-536.	1.5	18
46	A Model to Inform Management Actions as a Response to Chytridiomycosis-Associated Decline. <i>EcoHealth</i> , 2017, 14, 144-155.	2.0	17
47	Genomic signatures of thermal adaptation are associated with clinal shifts of life history in a broadly distributed frog. <i>Journal of Animal Ecology</i> , 2022, 91, 1222-1238.	2.8	17
48	The Coalition for Conservation Genetics: Working across organizations to build capacity and achieve change in policy and practice. <i>Conservation Science and Practice</i> , 2022, 4, .	2.0	17
49	Population genetics of introduced bullfrogs, <i>Rana (Lithobates) catesbeianus</i> , in the Willamette Valley, Oregon, USA. <i>Biological Invasions</i> , 2011, 13, 651-658.	2.4	13
50	Sex, Mitochondria, and Genetic Rescue. <i>Trends in Ecology and Evolution</i> , 2016, 31, 96-99.	8.7	13
51	Validating anthropogenic threat maps as a tool for assessing river ecological integrity in Andean Amazon basins. <i>PeerJ</i> , 2019, 7, e8060.	2.0	12
52	Testing evolutionary hypotheses for phenotypic divergence using landscape genetics. <i>Molecular Ecology</i> , 2010, 19, 427-430.	3.9	11
53	Big Data in Conservation Genomics: Boosting Skills, Hedging Bets, and Staying Current in the Field. <i>Journal of Heredity</i> , 2021, 112, 313-327.	2.4	10
54	The Expectations and Challenges of Wildlife Disease Research in the Era of Genomics: Forecasting with a Horizon Scan-like Exercise. <i>Journal of Heredity</i> , 2019, 110, 261-274.	2.4	9

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55	A unifying framework for analyzing temporal changes in functional and taxonomic diversity along disturbance gradients. <i>Ecology</i> , 2021, 102, e03503.	3.2	9
56	A meeting framework for inclusive and sustainable science. <i>Nature Ecology and Evolution</i> , 2020, 4, 668-671.	7.8	8
57	Does the virus cross the road? Viral phylogeographic patterns among bobcat populations reflect a history of urban development. <i>Evolutionary Applications</i> , 2020, 13, 1806-1817.	3.1	7
58	Conservation genetics of an island-endemic lizard: low $N_e$ and the critical role of intermediate temperatures for genetic connectivity. <i>Conservation Genetics</i> , 2021, 22, 783-797.	1.5	6
59	Adaptive divergence in bill morphology and other thermoregulatory traits is facilitated by restricted gene flow in song sparrows on the California Channel Islands. <i>Molecular Ecology</i> , 2022, 31, 603-619.	3.9	6
60	Habitat-linked genetic variation supports microgeographic adaptive divergence in an island-endemic bird species. <i>Molecular Ecology</i> , 2022, 31, 2830-2846.	3.9	6
61	Hunting alters viral transmission and evolution in a large carnivore. <i>Nature Ecology and Evolution</i> , 2022, 6, 174-182.	7.8	5
62	Body size is associated with yearling breeding and extra-pair mating in the Island Scrub-Jay. <i>Auk</i> , 0, , .	1.4	3
63	Equipping Tomorrow's Historical Ecologist: Priorities for Documenting Conditions of the Terrestrial Fauna of Santa Cruz Island, California. <i>Western North American Naturalist</i> , 2018, 78, 879.	0.4	3
64	Contrasting environmental drivers of genetic and phenotypic divergence in an Andean poison frog ( <i>Epipedobates anthonyi</i> ). <i>Heredity</i> , 2021, , .	2.6	1
65	Reproductive benefits associated with dispersal in headwater populations of Trinidadian guppies ( <i>Poecilia reticulata</i> ). <i>Ecology Letters</i> , 2022, 25, 344-354.	6.4	1
66	A potential role for immigrant reproductive behavior in the outcome of population augmentations. <i>Animal Conservation</i> , 2019, 22, 463-471.	2.9	0
67	Testing Demographic Methods Using Field Studies of Five Dissimilar Species. <i>Bulletin of the Ecological Society of America</i> , 2021, 102, e01870.	0.2	0
68	Bat signal (of selection) summons evolutionary hope in face of epidemic disease: An example of the power and promise of genetic monitoring. <i>Molecular Ecology</i> , 2021, 30, 5624-5627.	3.9	0